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07/17/86

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: DEBBIE TUNNEL

ALTERNATE NAMES:

YAVAPAI COUNTY MILS NUMBER: 785A

LOCATION: TOWNSHIP 10 N RANGE 1 E SECTION 6 QUARTER NE  
LATITUDE: N 34DEG 14MIN 33SEC LONGITUDE: W 112DEG 17MIN 46SEC  
TOPO MAP NAME: CROWN KING - 7.5MIN

CURRENT STATUS: UNKNOWN

COMMODITY:  
UNKNOWN

BIBLIOGRAPHY:  
USGS CROWN KING QUAD  
ADMMR DEBBIE TUNNEL FILE  
ADDITIONAL INFO MAY BE FOUND IN ADMMR RUSSELL  
CLAIMS FILE

DEBBIE TUNNEL

YAVAPAI COUNTY

KAP WR 12/19/80: Frank Russell reproted on his plans to open the portal at the old underground workings at the Debbie Tunnel on his Russell Claim Group.

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KAP WR 1/16/81: A mine visit was made to the Russell Claim Group where Frank Russell has hired Tony Nelson, Star Route, Cordes Lakes, Mayer, Arizona 86333, to clean out and open up the portal of the Debbie Tunnel. During the visit, the work was completed and the tunnel was accessible for only 26 feet. The tunnel appears to have originally been driven as a slusher drift on a silver chloride vein. Rumors are that it originally extended over 100 feet in length. The vein material is exposed in the back and is heavy. The drift pinches closed at 26 feet in from the portal due to caving. Numerous samples were taken and a separate report showing sample locations, vein width, and exploration in a nearby cut will be prepared.

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DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Mine ☒ RUSSELL CLAIMS (file)

Date January 14, 1981

District Pine Grove (Yavapai County)

Engineer Ken A. Phillips

Subject: Clean Out and Sampling of Debbie Tunnel Work

On January 14, 1981, Mr. ☒ Frank Russell, owner of the Russell Claims, hired Tony Nelson of Cordes Lakes, Arizona, to clean out the portal of the north striking Debbie Tunnel. The portal was cleaned out and opened up so as to access the drift for surveying and sampling. Considerable barring down of the back at the portal was required. The portal had caved extensively and 20 to 25 cubic yards of material were removed with a small tracked loader.

The drift was accessible for 26 feet. It is caved tight at 26 feet in from the portal. That portion of the portal which caved through to the surface and cleaned out totalled 28 feet. These figures correlate well with rumors that the original drift was about 60 feet long. It was also rumored that the drift was declined 30° to the north and was mucked by slushing to the portal. The back had caved such that the floor is nearly filled level with muck until the drift pinches closed.

The "south face" of the cut (see map) was originally thought to also be a caved drift portal. No drift was found and the face was mucked clean to a vertical face.

Sampling: Sampling consisted of nine channel samples as shown on the map and described in the accompanying list. Samples #1 through #4 are from the south face, #5 through #8 from the back of the drift and #9 from the floor of the cut.

Results:

South Face: Sample results show very small silver values confined to a narrow stringer of mineralized quartz vein material.  
(0.35 feet of 0.84 tr.oz/ton silver)

Debbie Tunnel: Sample results show a single moderate silver value at the portal. (#8 - 3.3 feet of 5.98 tr.oz/ton silver)  
The results of other samples along the vein in the cut and drift were very low (less than 0.30 tr.oz/ton silver).  
No silver minerals are recognizable in the mineralized rock.  
A mineralogical study of material from sample #8 might provide a key to finding potential ore grade mineralization.

KAP:mw

cc: DMR Tucson

RUSSELL CLAIM - DEBBIE TUNNEL

SAMPLES

JANUARY 14, 1981

(Gold and Silver in Troy Ounces Per Short Ton)

<u>Au</u>	<u>Ag</u>	<u>Identification</u>	<u>Width</u>	<u>Description</u>
Tr.	0.84	#1	0.35'	Selected quartz vein material from quartz stringer in south face.
Tr.	Tr.	#2	2.5 '	Channel sample - hanging wall side of quartz stringer in south face - altered iron stained schist.
.002	.06	#3	4.2 '	Channel sample - first segment foot wall side of quartz stringer - altered iron stained schist.
Tr.	Nil	#4	2.8 '	Channel sample - second segment (most easterly) foot wall side of quartz stringer - altered iron stained schist.
.004	0.18	#5	2.2 '	Channel sample - back of drift at portal (0') hanging wall side of vein - altered schist.
Tr.	Tr.	#6	4.0 '	Channel sample - back of drift (0+8') - vein material.
Tr.	0.30	#7	1.8 '	Channel sample - back of drift (0+16') - vein material.
Nil	5.98	#8	3.3 '	Channel sample - back of drift (0') - vein material.
Tr.	0.26	#9	5.0 '	Channel sample - floor of cut (0-15') - vein material.

Samples taken by Frank Russell, Claim Owner and Ken A. Phillips, Arizona Dept of Mineral Resources.

**BOX 247 — PHONE 632-7410  
HUMBOLDT, ARIZONA 86329**



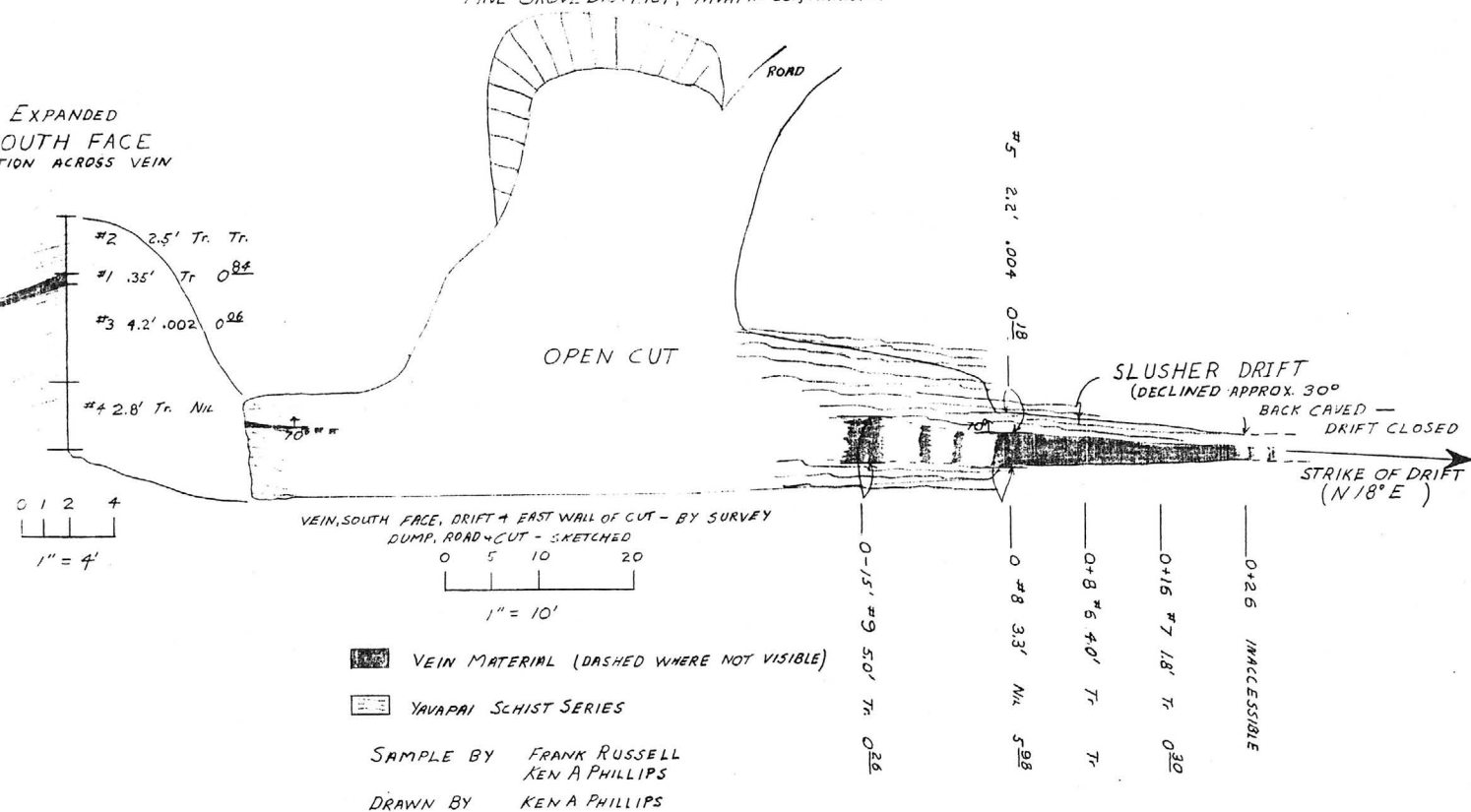
Frank Russell  
6515 Glidden Lane  
San Diego, Ca. 92111

Jan. 21, 1981

CHARGES 120.25  
Paid

**ASSAYER**

DEBBIE TUNNEL  
 RUSSELL CLAIM GROUP  
 PINE GROVE DISTRICT, YAVAPAI CO., ARIZONA



# DEBBIE TUNNEL RUSSELL CLAIM GROUP PINE GROVE DISTRICT, YAVAPAI CO., ARIZONA

EXPANDED  
SOUTH FACE  
SECTION ACROSS VEIN

